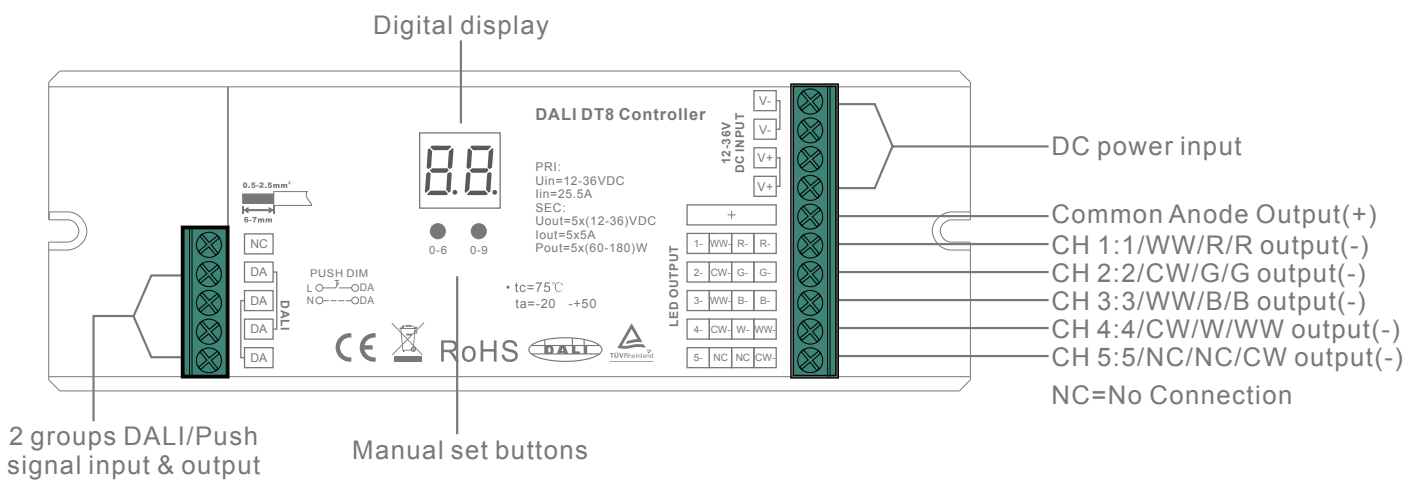


CHAM-DIM-DALI-5C

Specifications

Input Voltage:	12-24VDC	Output Current:	5x5A	Output Power:	5x(60-180)W
Size:	170x59x 29mm	DALI Consumption:	2mA	Operating Temp:	-20°C ~ +50°C
IP Rating:	IP20				



Safety & Warnings:

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Operation:

1. Select a DALI Device Type



- 1.1 Press and hold down both Manual Set Buttons until the digital display flashes, then release the buttons.
- 1.2 Keep clicking the 2nd button, you will get the 8 device types one by one as follows:

T.C, means 2 Tc colour type devices integrated in one control gear, which can control 2 groups of tunable white LED separately using 2 DALI addresses under this mode.

H.C, means XY & Tc colour type devices integrated in one control gear, which can control RGB & CCT LED separately using 2 DALI addresses under this mode.

R.C, means RGBWAF & Tc color type devices integrated in one control gear, which can control RGB & CCT LED separately using 2 DALI addresses under this mode.

H.B, means XY & DT6 type devices integrated in one control gear, which can control RGB & W LED separately using 2 DALI addresses under this mode.

H.Y, means XY coordinate color type, which can control RGB LED using 1 DALI address under this mode.

T.C, means Tc color type, which can control tunable white LED using 1 DALI address under this mode.

R.G, means RGBWAF color type, the device can control RGB+CCT LED using 1 DALI address under this mode.

D.B, means DT6 device type, which can control single color LED using 1 DALI address under this mode.

- 1.3 Select a device type you would like and then press and hold down both buttons until digital display stops flashing to confirm the selection

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas



2. Setting a DALI address

- 2.1 Press and hold down the first button on the left until digital display flashes, then release the button.
- 2.2 Click any of the two buttons once to select a digit, click again to change the digit until the desired DALI address appears. Click first button to set "tens" position and second button to set "units" position. The address can be set from 00~63.
- 2.3 Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

Note: DALI address can be manually assigned from 00-63-FF, by factory defaults, no DALI address is assigned for the dimmer, and the display shows FF. Setting DALI address as FF will reset the dimmer to factory defaults.

3. Once an address is selected, depending on the device type selected, the control gear may occupies 2 consecutive addresses or 1 address. For example, if the control gear is addressed to 22 on the display, when the device type is multi-addresses type, the control gear occupies address 22 & 23, when the device type is single-address type, the control gear occupies address 22.

4. DALI Address Assigned by DALI Masters

DALI address can also be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Note: The digital display will show AU when the DALI master is assigning addresses. When the device type is multi-addresses type, the control gear will be discovered as 2 separate devices.

5. Push Dimmer Mode

While connected with an AC push switch, the digital display will show "PD" which means Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

While **1.c** device type is selected, only the 1st group tunable white LED will be controlled by the push switch,

- Click the button to switch ON/OFF
- Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- Double click the button to switch between brightness mode and color temperature mode.
- Press and hold down the button to change color temperature under color temperature mode.

While **H.c** or **r.c** or **H.B** device type is selected, only the RGB LED will be controlled by the push switch, Click the button to switch ON/OFF

- Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- Double click the button to switch between brightness mode and RGB color mode.
- Press and hold down the button to change RGB colours under RGB color mode.

While **H4** or **r9** device type is selected, RGB LED will be controlled by the push switch,

- Click the button to switch ON/OFF
- Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- Double click the button to switch between brightness mode and RGB color mode.
- Press and hold down the button to change RGB colours under RGB color mode.

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While **T.C** device type is selected, tunable white LED will be controlled by the push switch,

- Click the button to switch ON/OFF
- Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- Double click the button to switch between brightness mode and color temperature mode.
- Press and hold down the button to change color temperature under color temperature mode.

While **TC** device type is selected, single color LED will be controlled by the push switch,

- Click the button to switch ON/OFF
- Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

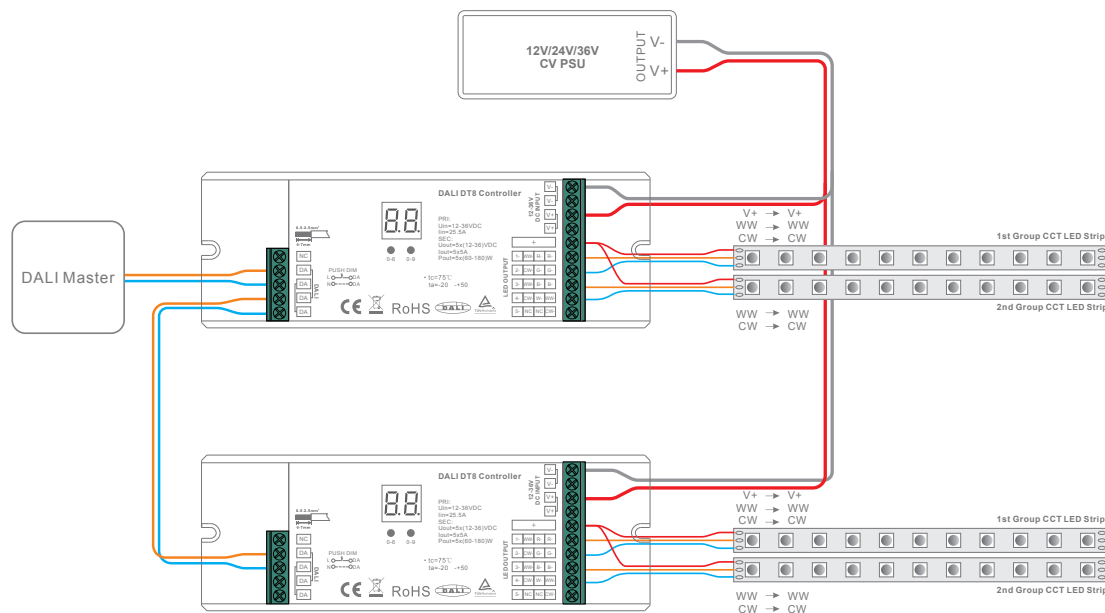
Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

Wiring Diagram

When total load of each receiver is not over 20A

1. With DALI Master

1.1 When **T.C** multi-addresses Tc device type is selected

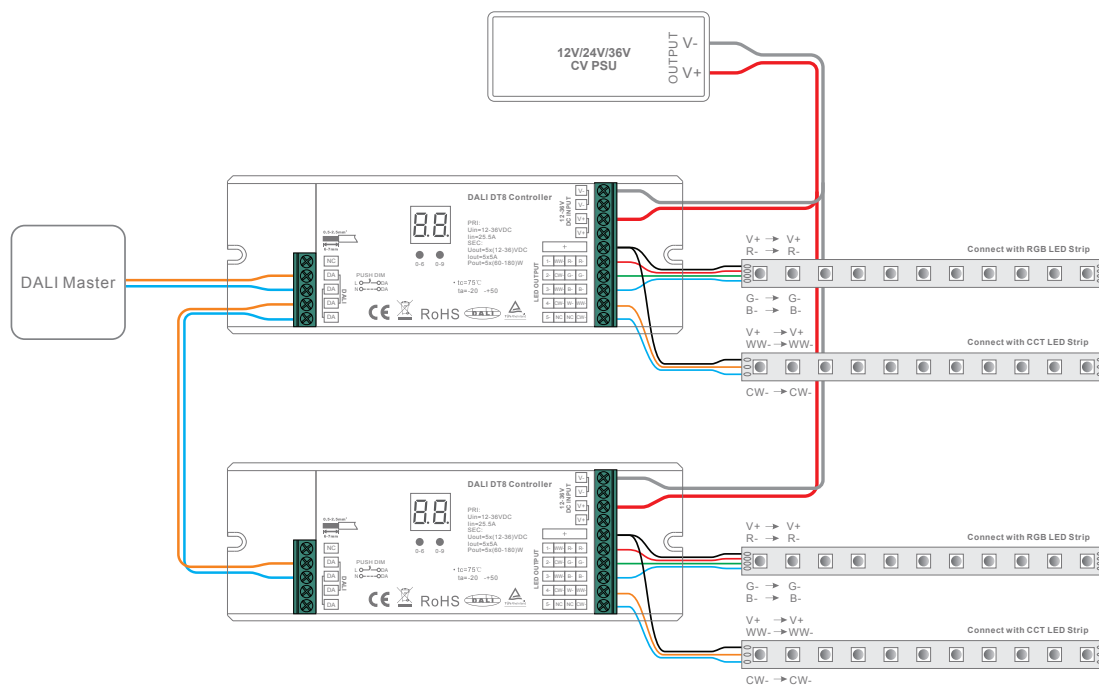


Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

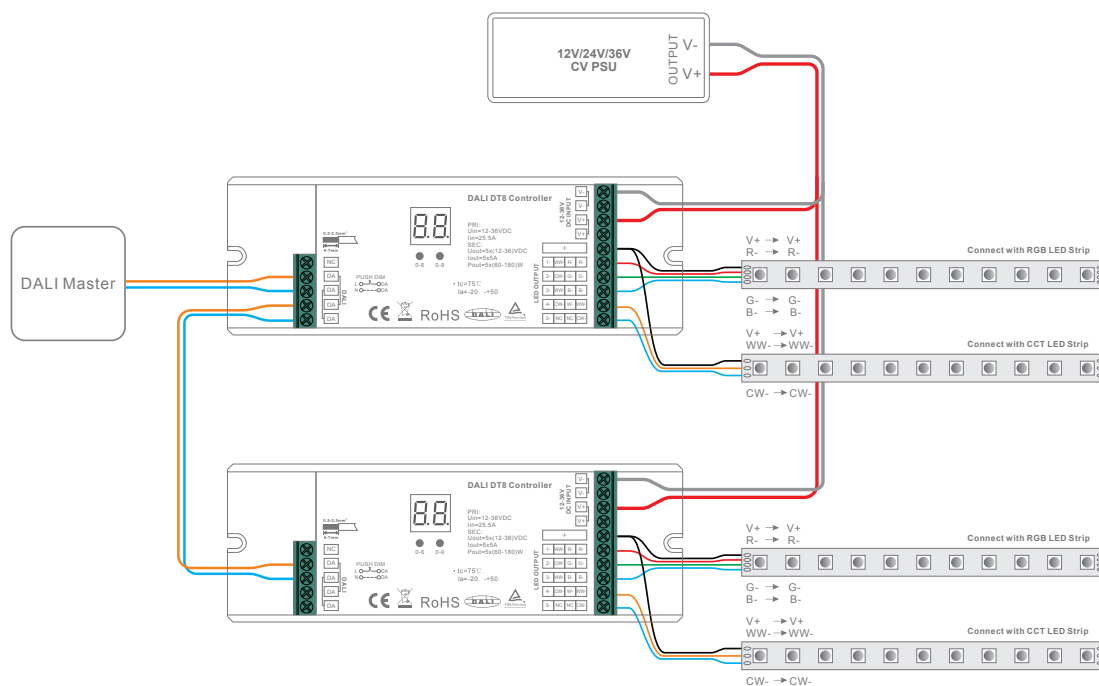
Installation Manual

1.2 When H.C multi-addresses XY+Tc device type is selected



- Note:**
- 1) Please make sure that the DALI master controller supports XY & Tc color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: XY, Tc.

1.3 When r.c multi-addresses RGB+Tc device type is selected



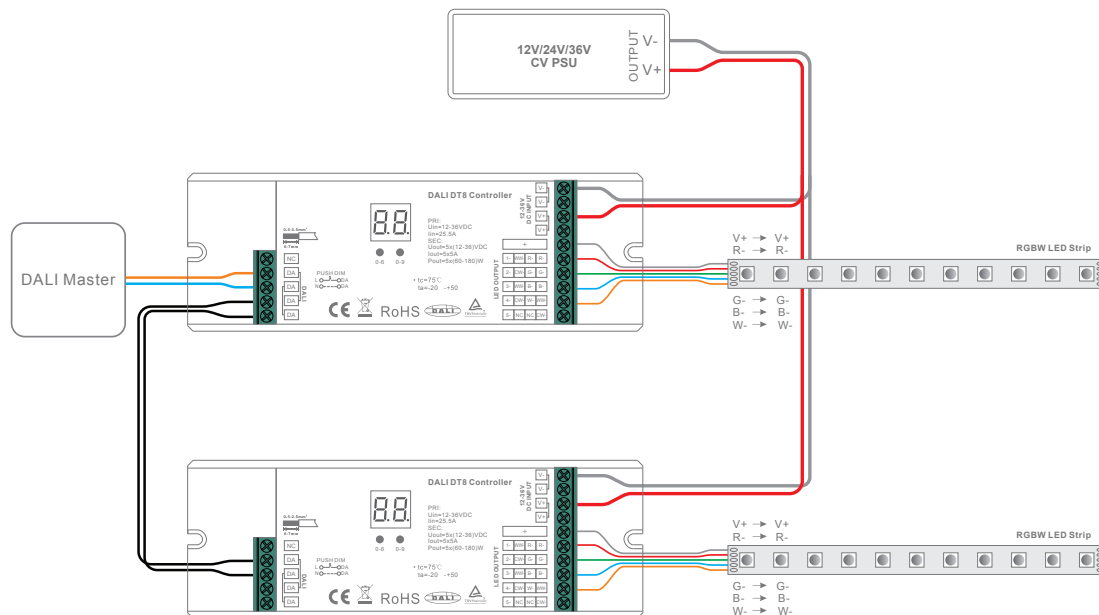
- Note:**
- 1) Make sure that the DALI master controller supports RGBWAF & Tc color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: RGB, Tc.

Note: -The lamp must be installed by professional electrician
 -Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
 -Keep away from hot steam and corrosive gas

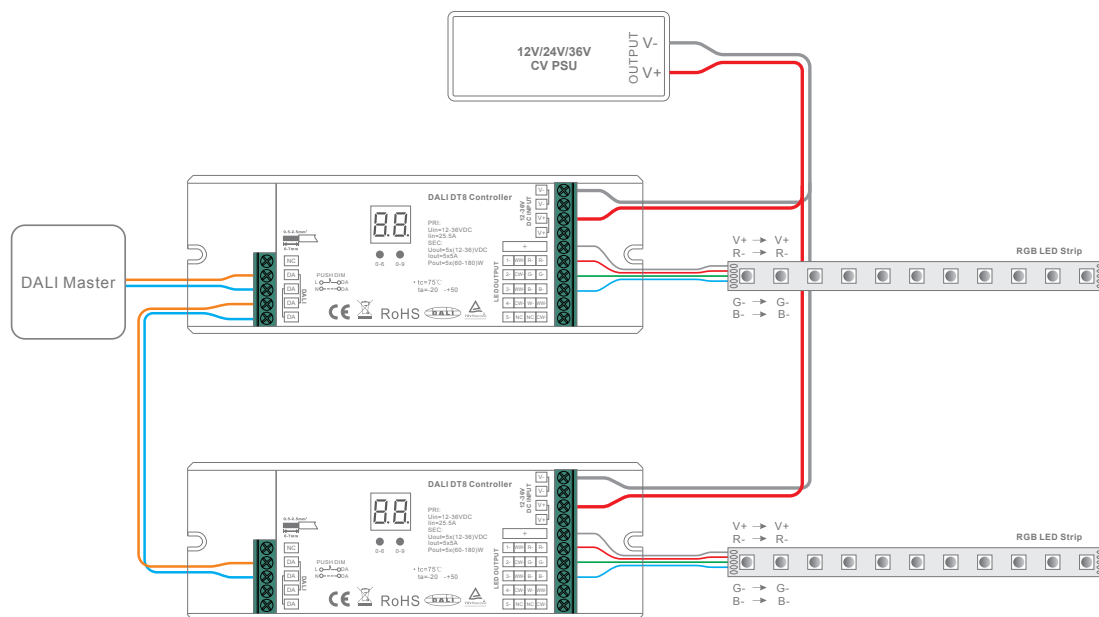
Installation Manual

1.4 When **H.E** multi-addresses XY+Single Colour (DT6) device type is selected



- Note:**
- 1) Please make sure that the DALI master controller supports XY & DT6 color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: XY, DT6

1.5 When **H.H** single addresses XY device type is selected



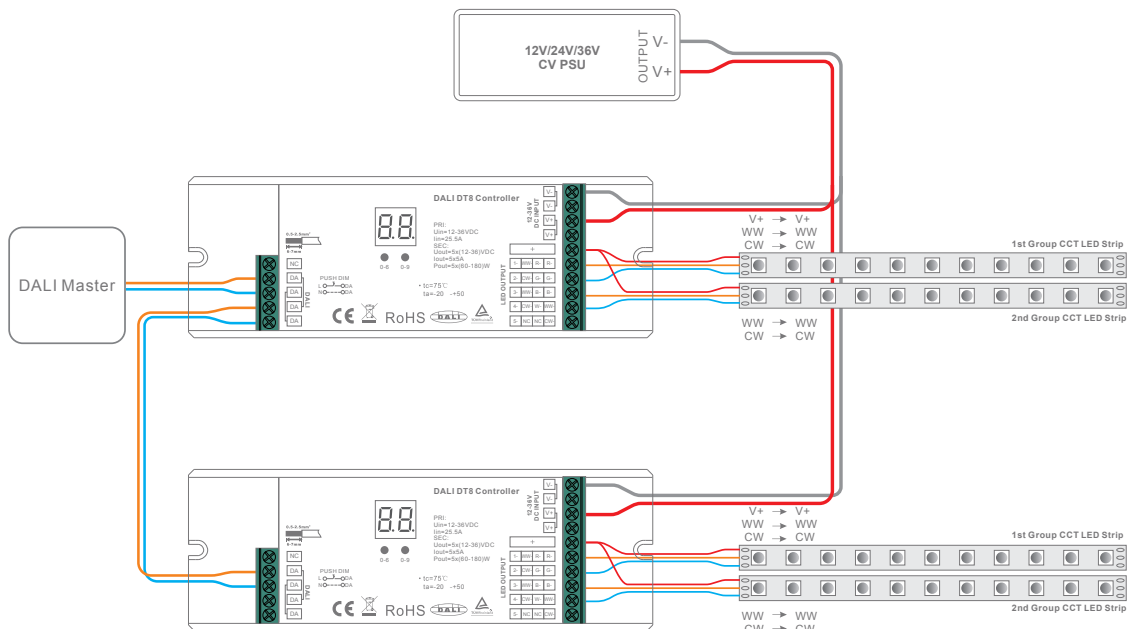
- Note:** Please make sure that the DALI master controller supports XY color type commands.

Note: -The lamp must be installed by professional electrician
 -Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
 -Keep away from hot steam and corrosive gas

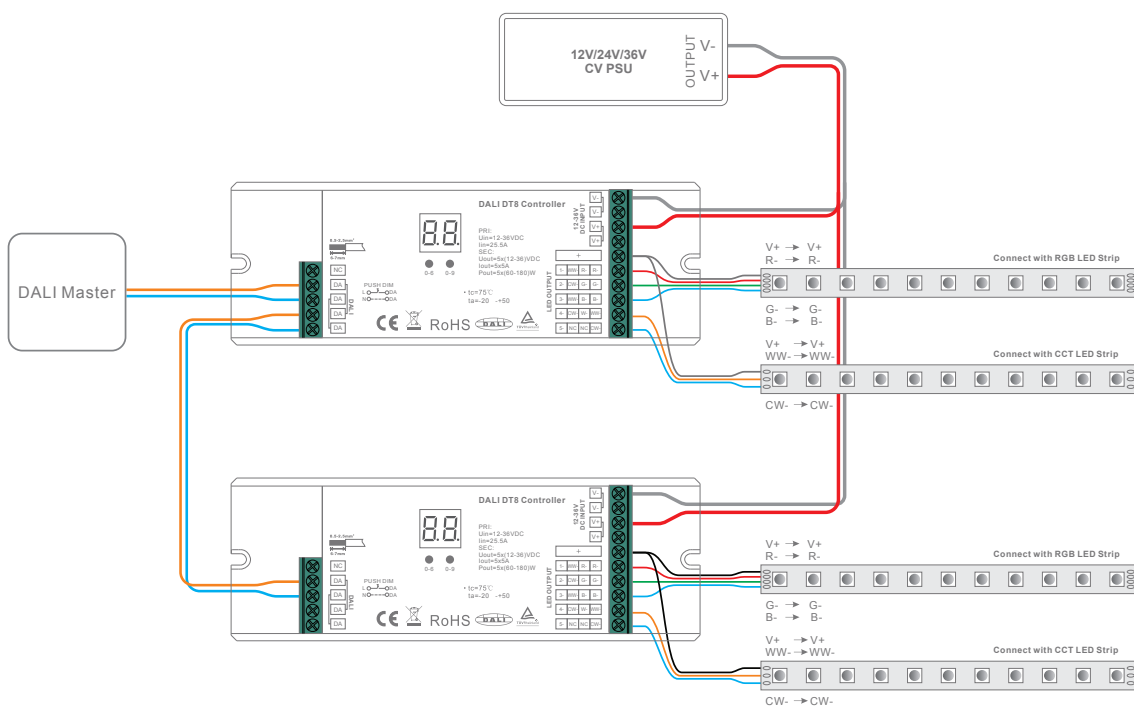
Installation Manual

1.6 When single addresses Tc device type is selected



- Note:**
- 1) Please make sure that the DALI master controller supports Tc color type commands.
 - 2) 2 groups CCT LED are controlled together.

1.7 When single addresses RGBWAF device type is selected



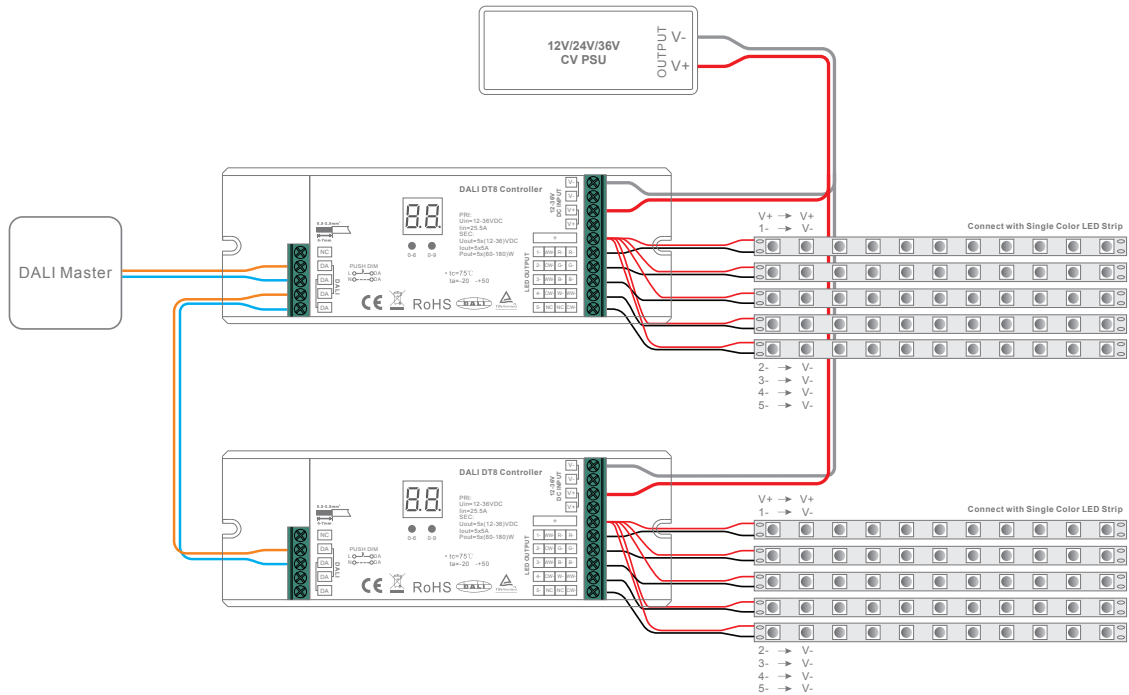
- Note:**
- 1) Make sure that the DALI master controller supports RGBWAF & Tc color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: RGB, Tc.

Note: -The lamp must be installed by professional electrician
 -Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
 -Keep away from hot steam and corrosive gas

Installation Manual

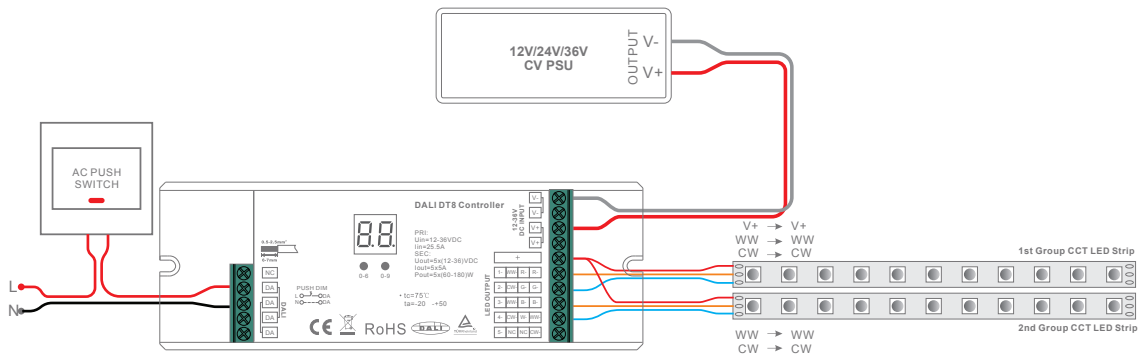
1.8 When **7.6** single addresses DT6 device type is selected



Note: The control gear will be discovered by DALI master as a DT6 device, 5 channels controlled together.

2. With Push Switch

2.1 When **7.c** multi-addresses Tc device type is selected



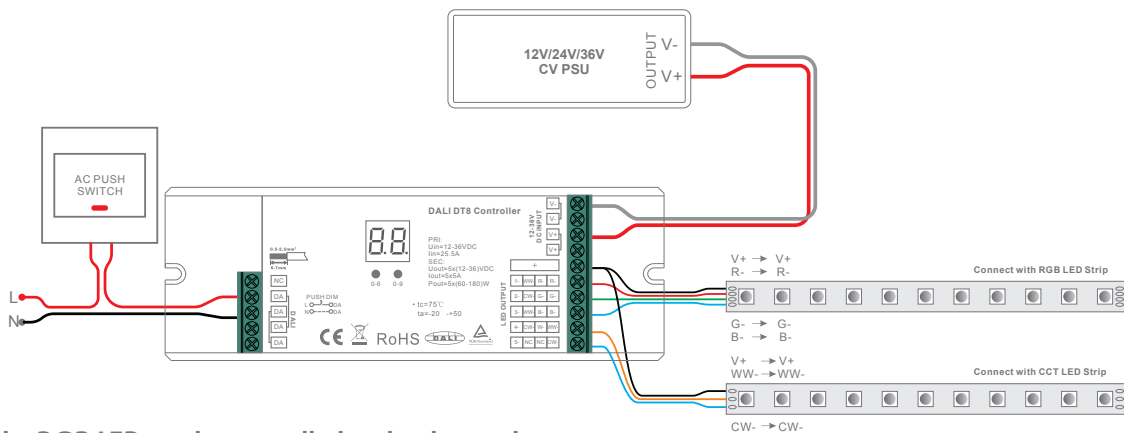
Note: only the 1st group CCT LED can be controlled under this mode

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

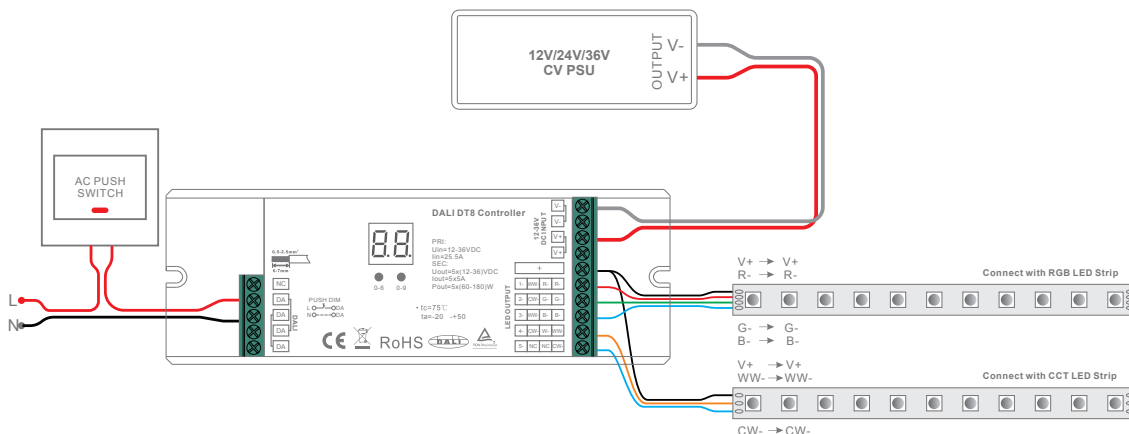
Installation Manual

2.2 When H.C multi-addresses XY+Tc device type is selected



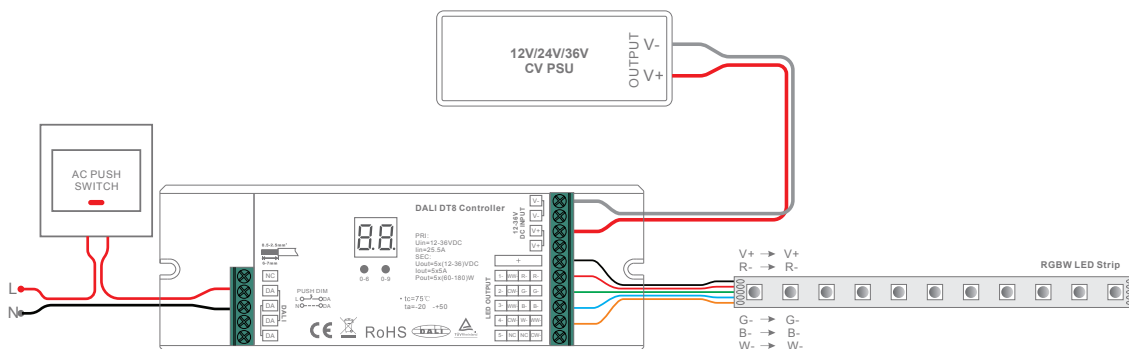
Note: only the RGB LED can be controlled under this mode.

2.3 When R.C multi-addresses RGB+Tc device type is selected



Note: only the RGB LED can be controlled under this mode.

2.4 When H.E multi-addresses XY+Single Colour(DT6) device type is selected



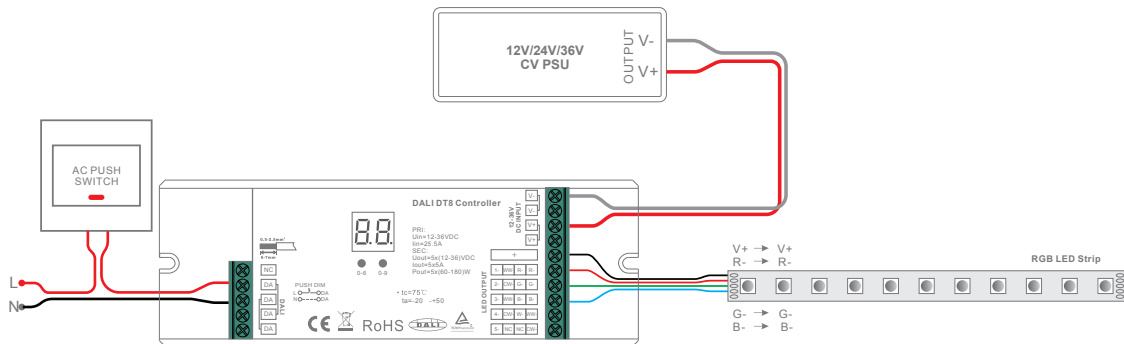
Note: only the RGB LED can be controlled under this mode.

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

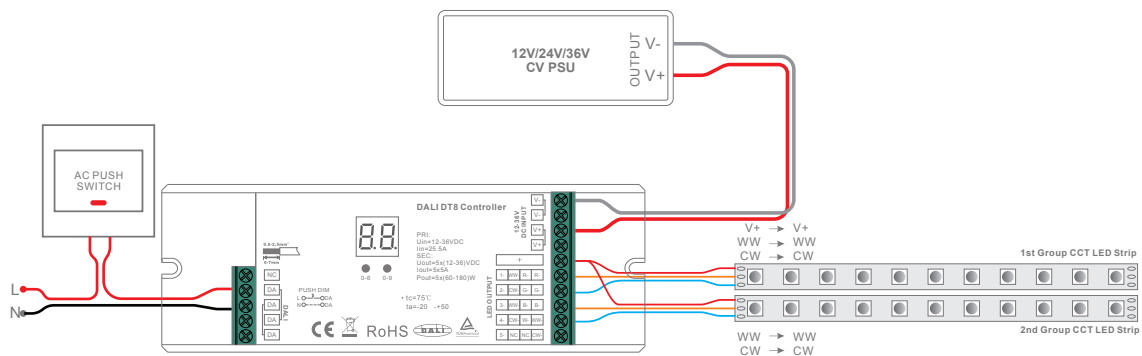
-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

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2.5 When **H4** single addresses XY device type is selected

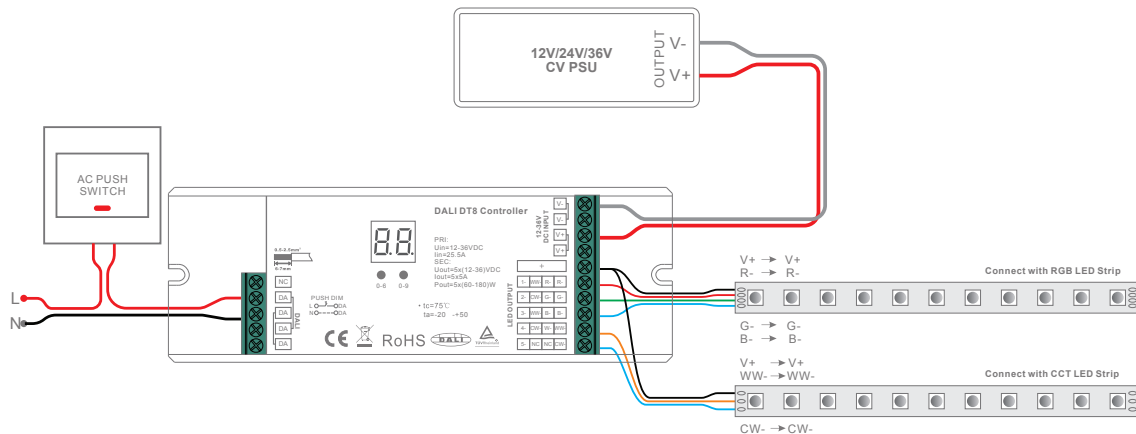


2.6 When **T.C** single addresses Tc device type is selected



Note: 2 groups CCT LED are controlled together under this mode.

2.7 When **RGB** single addresses RGBWAF device type is selected

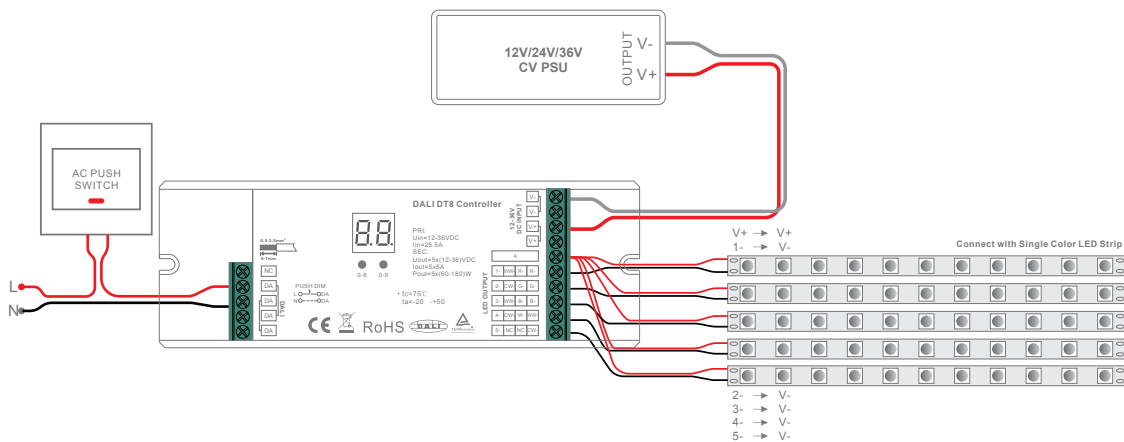


Note: brightness of both RGB & CCT LEDs can be controlled, color control only applicable to RGB LED under this mode.

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

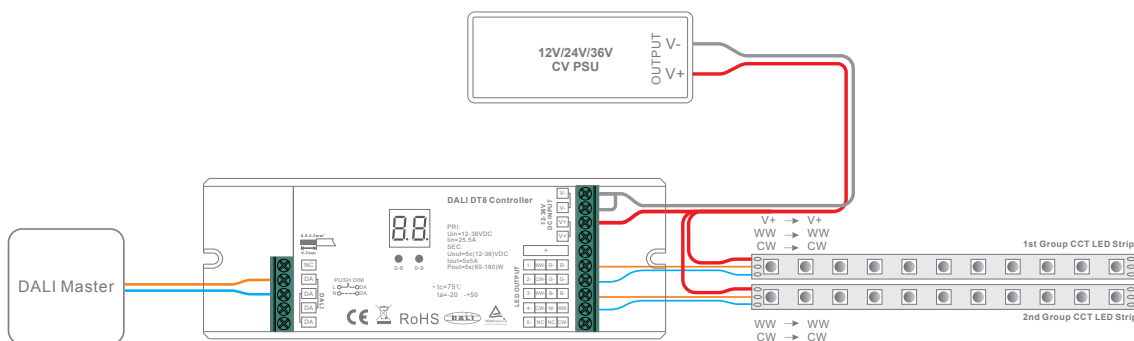
2.8 When **7.6** single addresses DT6 device type is selected



When total load of each receiver is over 20A

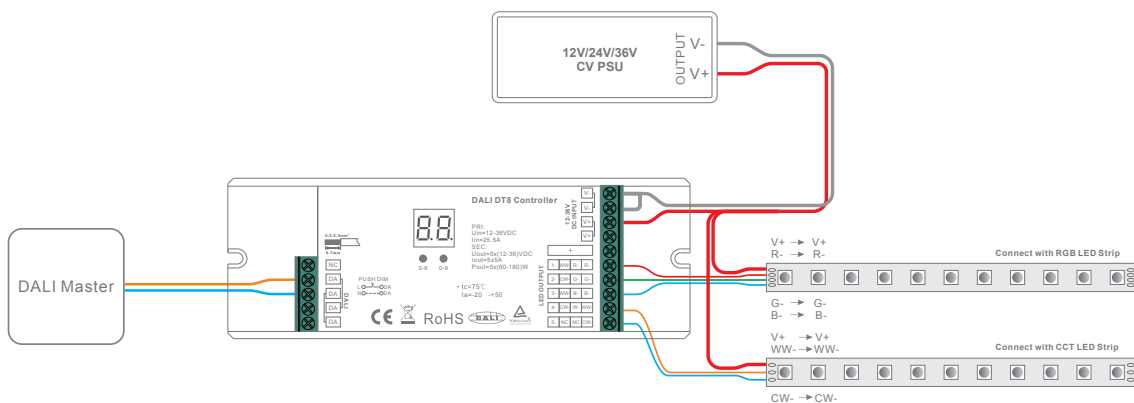
1. With DALI Master

1.1 When **7.c** multi-addresses Tc device type selected.



- Note:**
- 1) Please make sure that the DALI master controller supports Tc color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate Tc devices.

1.2 When **H.c** multi-addresses XY+Tc device type is selected



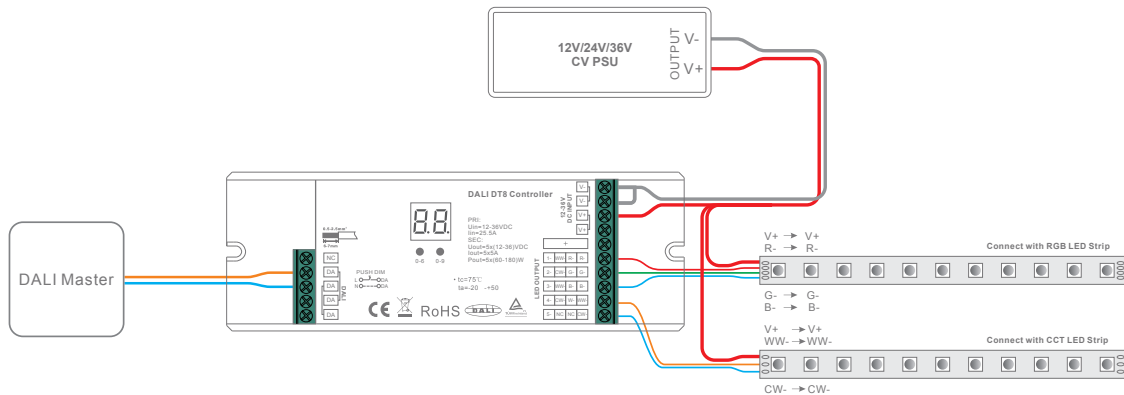
- Note:**
- 1) Please make sure that the DALI master controller supports XY & Tc color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: XY, Tc.

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

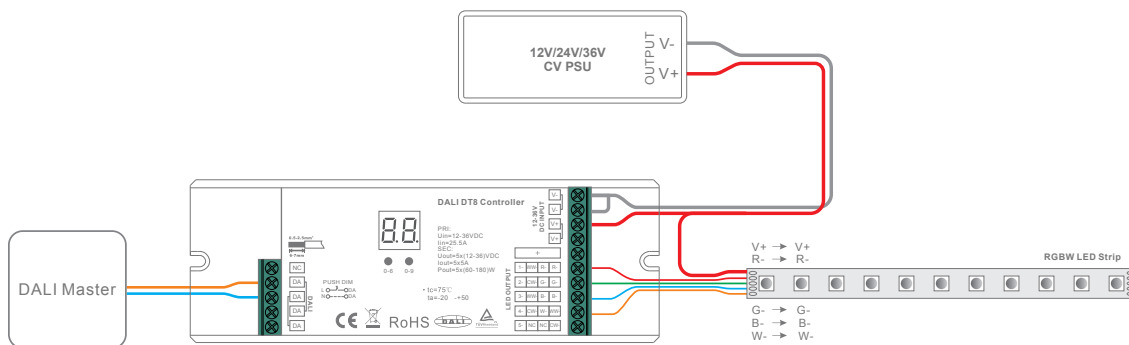
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1.3 When **r.c** multi-addresses RGB+Tc device type is selected



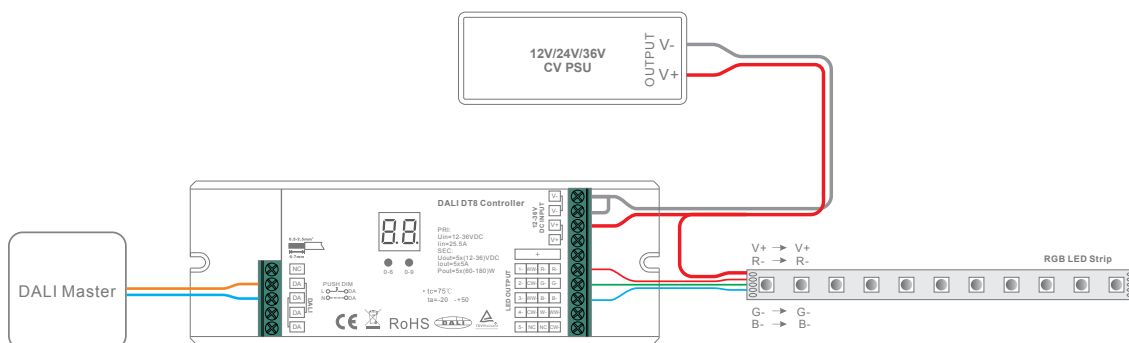
- Note:**
- 1) Make sure that the DALI master controller supports RGBWAF & Tc color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: RGB, Tc.

1.4 When **H.E** multi-addresses XY+Single Colour (DT6) device type is selected



- Note:**
- 1) Please make sure that the DALI master controller supports XY & DT6 color type commands.
 - 2) The control gear will be discovered by master controller as 2 separate devices: XY, DT6

1.5 When **H4** single addresses XY device type is selected



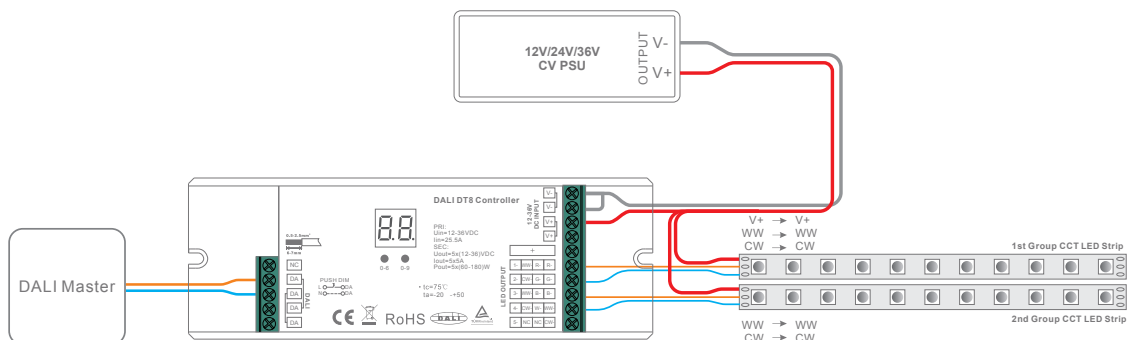
- Note:** Please make sure that the DALI master controller supports XY color type commands.

Note: -The lamp must be installed by professional electrician
 -Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
 -Keep away from hot steam and corrosive gas

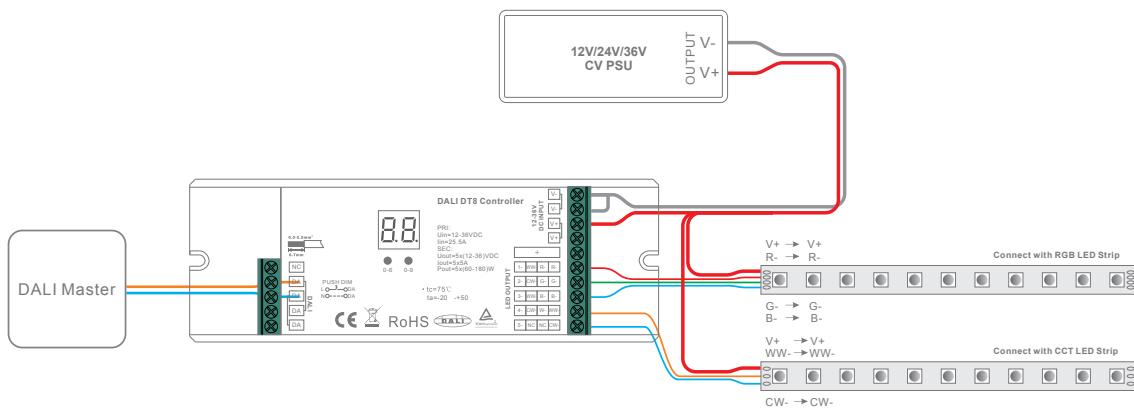
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1.6 When **7.C** single addresses Tc device type is selected



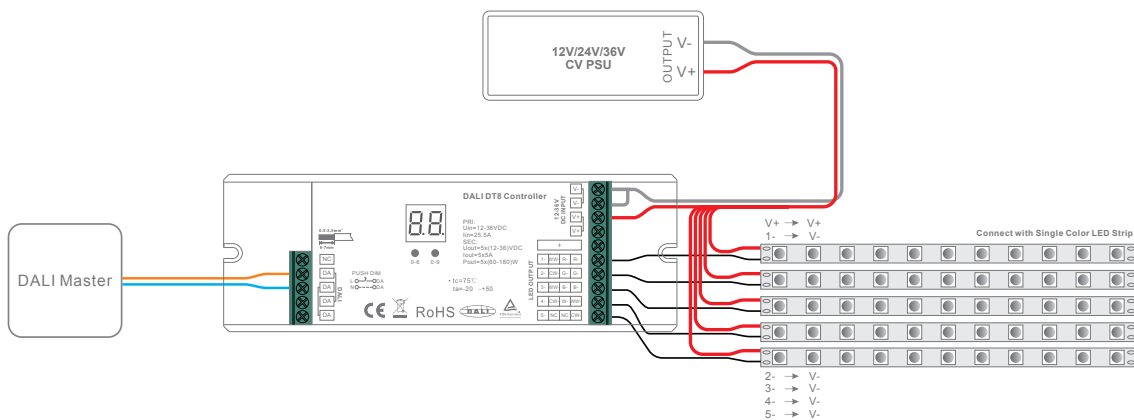
Note: 1) Please make sure that the DALI master controller supports Tc color type commands.
2) 2 groups CCT LED are controlled together.

1.7 When **9** single address RGBWAF device type selected.



Note: Please make sure that the DALI master controller supports RGBWAF color type commands.

1.8 When **7.B** single addresses DT6 device type is selected



Note: The control gear will be discovered by DALI master as a DT6 device, 5 channels controlled together.

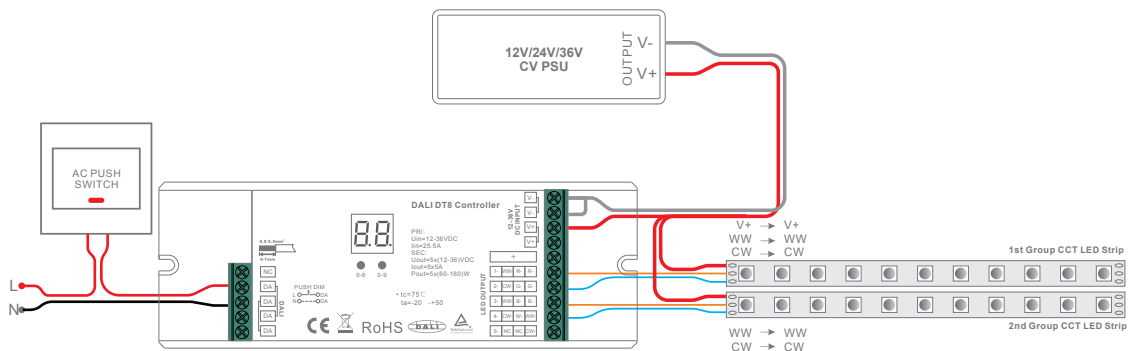
Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

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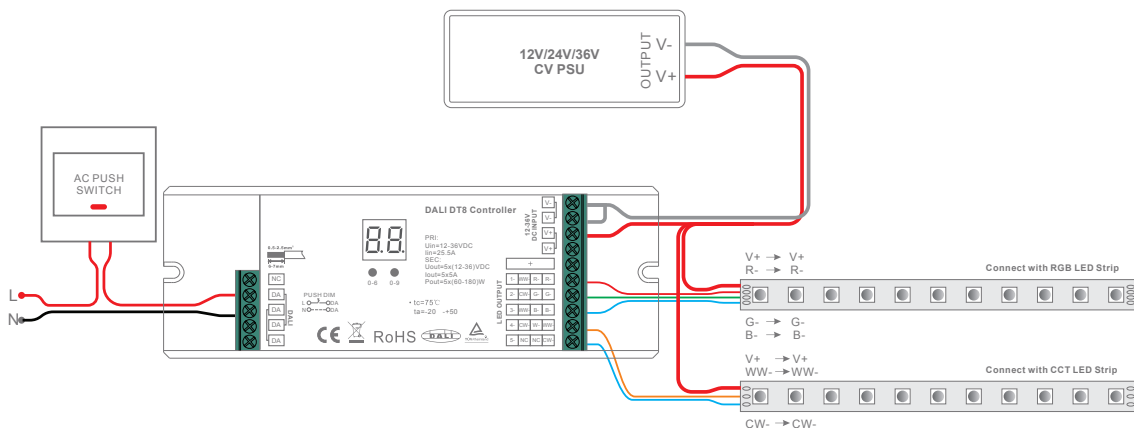
2. With Push Switch

2.1 When **T.C** multi-addresses Tc device type is selected



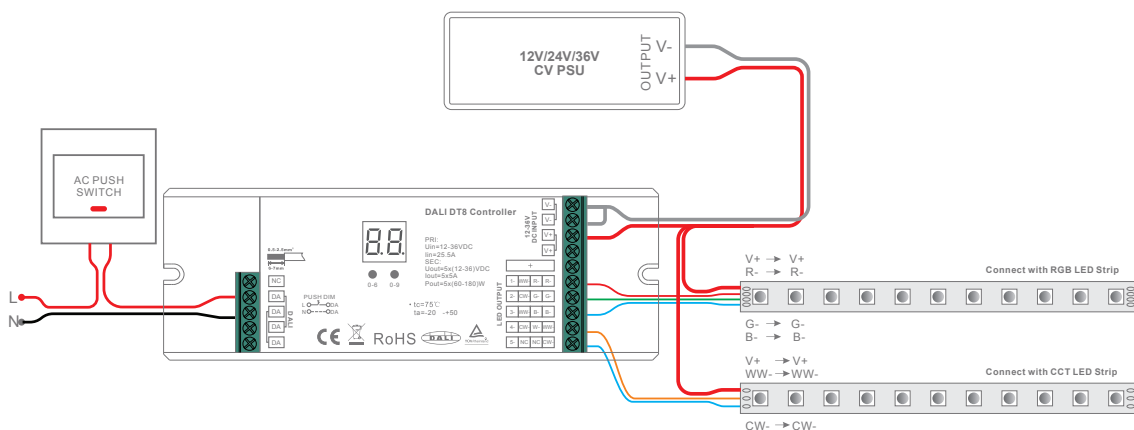
Note: only the 1st group CCT LED can be controlled under this mode

2.2 When **H.C** multi-addresses XY+Tc device type is selected



Note: only the RGB LED can be controlled under this mode.

2.3 When **R.C** multi-addresses RGB+Tc device type is selected



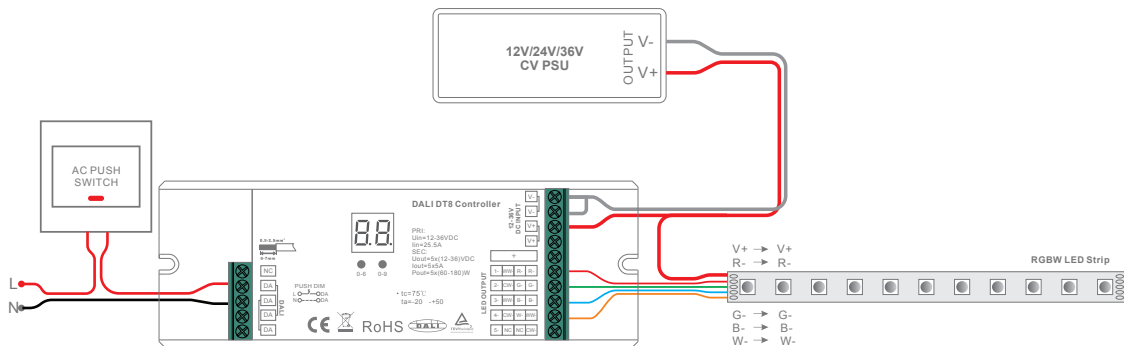
Note: only the RGB LED can be controlled under this mode.

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

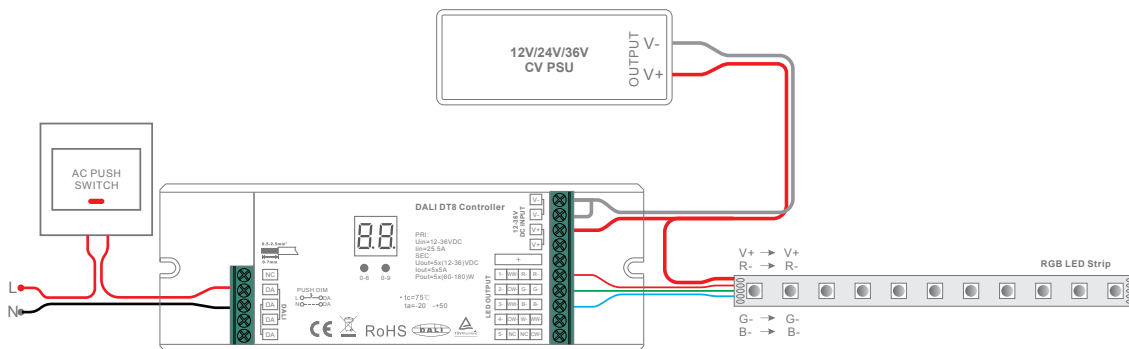
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2.4 When **H.6** multi-addresses XY+Single Colour(DT6) device type is selected

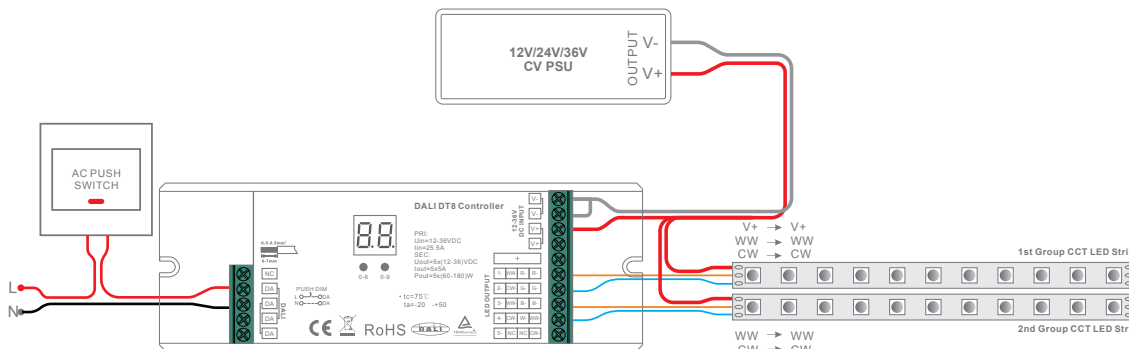


Note: only the RGB LED can be controlled under this mode.

2.5 When **H.4** single address XY device type selected.



2.6 When **T.2** single addresses Tc device type is selected



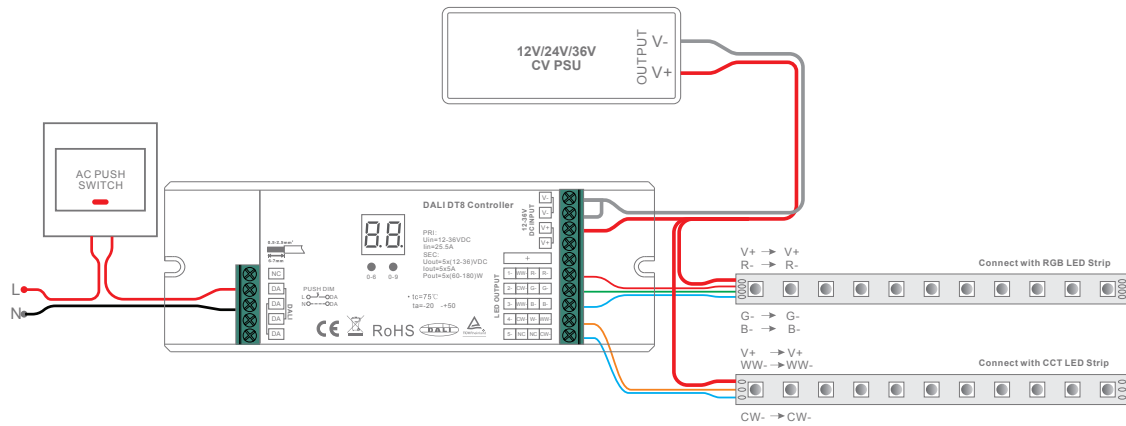
Note: 2 groups CCT LED are controlled together under this mode.

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

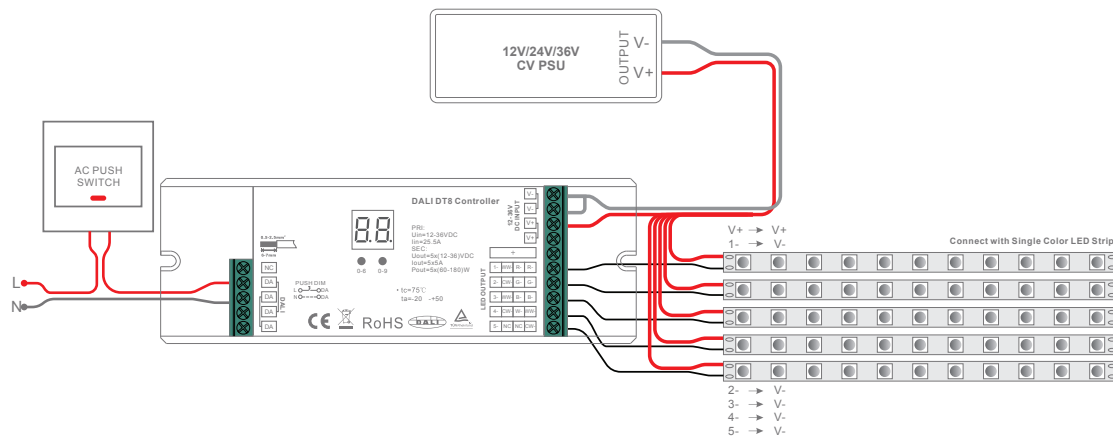
Installation Manual

2.7 When H.6 single address RGBWAF device type is selected



Note: brightness of both RGB & CCT LEDs can be controlled, color control only applicable to RGB LED under this mode.

2.8 When -1.6 single address DT6 device type selected.



Note: all 5 channels are controlled together under this mode.